Comparisons of Job Characteristics

Focus Occupation: Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers (51-6091)
Associated Occupation: Computer-Controlled Machine Tool Operators, Metal and Plastic (51-4011)

Compare Knowledge
Compare Skills
Compare Abilities
Compare Detailed Work Activities
Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge — Similarity of Focus Occupation to Associated Occupation: 92

Focus Occupation: Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers (51-6091)
Associated Occupation: Computer-Controlled Machine Tool Operators, Metal and Plastic (51-4011)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	15.8	12.2	<<	Extensive education and/or training may be required
Mathematics	9.2	10.9	5.8	<<	Extensive education and/or training may be required
Production and Processing	6.0	10.9	9.8	<	Expanded education and/or training may be required
Computers and Electronics	8.4	8.5	6.4	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	7.8	4.1	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills — Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers (51-6091)
Associated Occupation: Computer-Controlled Machine Tool Operators, Metal and Plastic (51-4011)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation Monitoring	6.6	13.2	11.9	<	A higher skill level may be required
Monitoring	9.9	13.0	10.0	<<	Extensive development of skills in this area may be required
Quality Control Analysis	5.9	11.8	9.3	<	A higher skill level may be required
Operation and Control	5.4	11.1	10.3	0	Current skill level may be sufficient

Troubleshooting	4.5	9.2	7.9	<	A higher skill level may be required
Equipment Maintenance	3.5	8.2	9.1	>	Skill level is likely sufficient
Equipment Selection	3.3	8.0	6.6	<	A higher skill level may be required
Repairing	3.4	7.6	9.0	>	Skill level is likely sufficient
Programming	2.2	7.2	1.0	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities	Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers (51-6091)
Associated Occupation: Computer-Controlled Machine Tool Operators, Metal and Plastic (51-4011)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Reaction Time	4.8	13.2	10.5	<	Some improvement in abilities may be required
Auditory Attention	5.9	13.0	8.9	<<	Extensive improvement in abilities may be required
Hearing Sensitivity	5.6	12.6	7.9	<<	Extensive improvement in abilities may be required
Control Precision	6.6	12.2	11.8	0	Current ability level may be sufficient
Selective Attention	8.7	11.6	9.3	<	Some improvement in abilities may be required
Depth Perception	5.3	10.7	6.6	<<	Extensive improvement in abilities may be required
Rate Control	3.8	10.1	8.8	<	Some improvement in abilities may be required
Wrist-Finger Speed	3.2	8.0	6.9	<	Some improvement in abilities may be required
Sound Localization	2.2	5.9	3.1	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common	Similarity of Focus Occupation to Associated Occupation: 85

Focus Occupation: Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers (51-6091)
Associated Occupation: Computer-Controlled Machine Tool Operators, Metal and Plastic (51-4011)

Work Activities	Exclusivity of Activity
Adjust production equipment/machinery setup	25
Clean equipment or machinery	20
Load or unload material or workpiece into machinery	34

Monitor production machinery/equipment operation to detect problems	27
Perform safety inspections in manufacturing or industrial setting	33
Use hand or power tools	2
Use precision measuring tools or equipment	17

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common	Similarity of Focus Occupation to Associated Occupation: n/a

Focus Occupation: Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers (51-6091)
Associated Occupation: Computer-Controlled Machine Tool Operators, Metal and Plastic (51-4011)

Tools and Technologies	Exclusivity
Tools and technology data is unavailable for one or both occupations.	

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.